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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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027  
JA

## INSPECTION REPORT

INSPECTION DATE & TIME: 2/28/91, 8:30 - 5:00pm  
3/1/91, 8:00 - 11:00am

Permittee and/or Operators Name: Genwal Coal Company (801) 687-9813

Business Address: P.O. Box 1201, Huntington, UT 84528

Mine Name: Crandall Canyon Mine Permit Number: ACT/015/032

Type of Mining Activity: Underground ☒ Surface ☐ Other ☐

County: Emery

Company Official (s): Tawna Ralphs, Allen Childs

State Official(s): Priscilla Burton

Partial: ☐ Complete: ☒ Date of Last Inspection: 1/29/91

Weather Conditions: Overcast, 2" of snow on ground, steady snowfall

Acreage: Permitted 532.36 Disturbed 5.55 Regraded 0.5 Seeded 0.5 Bonded 9.7

Enforcement Action: NONE

## COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. PERMITS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. SIGNS AND MARKERS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. SURFACE AND GROUNDWATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. EFFLUENT LIMITATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF DEVELOPMENT WASTE AND SPOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. COAL PROCESSING WASTE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14. SUBSIDENCE CONTROL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16. ROADS				
a. CONSTRUCTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. SURFACING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. MAINTENANCE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES				
UTILITY INSTALLATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

# INSPECTION REPORT

PERMIT: ACT/015/032

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DATE: 2/28/91

(Comments are Numbered to Correspond with Topics Listed Above)

## 1. PERMITS

A review of the records indicated the following:

a. NPDES permit #UT 0024368, effective 10/1/90 TO 8/31/95

Two discharge points = 001 (6" discharge pipe on north side of sediment pond, discharging sediment pond water)  
002 (4" mine water discharge pipe, also on north side of sediment pond)

The last discharges from these points were on 1/89 and 2/90.

The operation has discharged only three times in five years.

Grab samples during discharge are monitored for TSS, total Fe, TDS, Oil & Grease, pH

b. The Certificate of Liability Insurance was issued by National Union Fire Insurance Co., a subsidiary of American International Company. The insured is Nevada Electric Investment Co. and Related Subsidiaries. The policy number is GLCM 5419743, effective 1/1/91. The policy is underwritten by Price Insurance Agency, Roy Nikas, (801) 637-3351. The current policy excludes pollution events and subsidence related events.

This policy is not in agreement with the Certificate of Insurance on file with the Division which states that the insured is Genwal Coal Co. and the policy # is GLCM 540-24-39RA. The operator must submit a revision to the Reclamation Agreement (Exhibit D) to revise the Certificate of Liability Insurance on file with the Division. This revised Certificate must agree with the "Accord" certificate from the insuring agency. The "Accord" certificate must also be submitted to the Division.

c. The Surety Bond (#4689175) was posted 5/10/90 by SAFECO Ins. Co. of America and countersigned by Merit Insurance Agency, Inc. The Bond expires on 5/13/93. The Bond amount is \$268,000.00 for 5.6 acres of disturbance. The Bond is located in the Division files.

d. The Reclamation Agreement was signed 5/5/89.

e. A permit was re-issued on 8/8/90.

f. Two stipulations placed on the permit by order of the U.S. Forest Service have been addressed.

1. The operator must submit a commitment to replace any disrupted wildlife or livestock watering sources in quality and quantity. (see p 3-21 of Chap 3 of the 2/1/91 submittal.)

2. The operator must locate and identify for monitoring the spring identified as W.U.C. No 93-1407. (see p 3-10 of Chap 13, Underground Right of Way, 5/90 submittal)

g. The operator is in compliance with Permit #040 from the State Engineers Office. i.e. Notification of completion of flume construction is included in the 4th quarter 1990 report.

h. The operator reported production of 573,876 Tons of coal in 1990. This exceeds the air quality permit which was issued 10/25/85 for 360,000 Tons of coal (see Vol 3, App 11-1 and 11-3 of the MRP). The State Dept of Health received a "Notice of Intent" on 12/26/91 from Genwal requesting a revised Air Quality Approval order. Genwal's air quality case # is BAQE-054-91.

i. Annual certification of the sediment pond will be included in the upcoming annual report as per R614-301-514.311.

j. The sediment pond is inspected weekly and was last inspected 2/25/91. The piezometer is read quarterly. On Jan 20th, the reading was 11" at 33'deep. Precipitation records are kept weekly.

k. The Oil spill Prevention Control and Countermeasure (SPCC) plan describes the bulk storage of diesel, oil and gas in an apron, on the surface (3,250 gals total). Regular inspections of the containment structure on kept on file at Genwal's office.

l. The operator has not conducted any surface blasting this year.

m. Aerial reports to monitor subsidence are located in the fourth quarter report of 1990.

#### 4.b. DIVERSIONS

The disturbed drainage culvert along the portal access road is one-half full of frozen sediment at the opening. When the weather warms, the operator must clean out the sediment.

#### 4.d. OTHER SEDIMENT CONTROL MEASURES

Directly below the truck load-out, the silt fence will require maintenance. When this maintenance is done, the operator should remove a discarded, old silt fence that is stashed under a boulder, an old piece of mechanical equipment, and a large wooden sign that are all at this location.

#### 4.e. SURFACE AND GROUNDWATER MONITORING

The Mine Water discharge pipe has been re-connected.

Samples were taken on 1/12/91 from drill hole-1 (DH-1), mine water-1 (MW-1) and mine water-2 (MW-2). The lab received the samples on 1/14/91. Spring 30 had no flow, hence no report.

DH-1 was monitored for pH in the field. A report of pH = 1.12 was written. The October pH for DH-1 was 8.9. The Operator should resample the pH of DH-1 to clarify this anomaly.

MW-2 samples are higher in salts (Ca, Cl, SO<sub>4</sub>, and Mg) than MW-1.

**6. DISPOSAL OF DEVELOPMENT WASTE AND SPOIL**

Genwal's recent submittal of Chap 3 includes a revised section 3.3.9, "Waste Disposal Plans." These plans are not adequate with regard to the disposal of sediment pond waste. The operator is referred to the Memo: To Title V Technical Staff from Lowell Braxton on 11/26/90 concerning the disposal of sedimentation pond waste. The regulations pertaining to the disposal of excess spoil (R614-301-745) or acid/toxic wastes apply (R614-301-542.730 and R614-301-553.252). The memo is being mailed under separate cover.

The disposal of oil contaminated soil is considered a toxic waste. Therefore regulations R614-301-731.300 and R614-301-553.252 apply.

**13. REVEGETATION**

The submittal of Chap 3 (2/1/91) states on p 3-36 that the Soil Conservation Service (SCS) will monitor the Mountain Shrub Grassland community reference area every five years. The last record of monitoring at the SCS office was in July of 1986. A five year interval places the next monitoring this summer in June of 1991. Although this schedule does not coincide with the re-issuance of the permit, the data must be taken at 5 year intervals as planned in the MRP. The operator must make arrangements with the SCS to schedule a time for the monitoring and data collection. I would appreciate receiving a copy of this request so that I can plan on accompanying the SCS representative.

**18. SUPPORT FACILITIES**

The old fan house has been removed.

Genwal is or will be pursuing the following approvals:

1. to asphalt the Forest Service road from the bridge to the mine site including the upper bench by the substation.
2. to widen the road at the load-out using gabions to support the outslope of the road.
3. to add telephone poles with attached solar panels and antennae, replacing the current malfunctioning microwave tower.
4. to add a buried telephone cable in the summer of 1991.

Copies of this report:

Mailed to: Brian Smith - OSM, Jay Marshall - Genwal Coal Co.

Given to: Daron Haddock and Joe Helfrich - DOGM

Inspectors Signature and Number: Smalla Burton, #37  
Date: 3/7/91